

In re: Carlos Fradera Pellicer
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34. (New) A panel according to Claim 33 wherein the one face of the slab further comprises a visible face defining a pattern.

Sub 35. (New) A panel according to Claim 33 wherein the air-setting resistant material is selected from the group consisting of cement concrete, cement mortar, resin mortar, mixed mortar, normal synthetic resin, lightened synthetic resin, and combinations thereof.

36. (New) A panel according to Claim 33 wherein the reinforcement means further comprises a channel having a cross-section including an open end and a closed end, the open end being defined by opposing flanges and comprising the portion embedded in the slab.

37. (New) A panel according to Claim 36 wherein the portion of the reinforcement means embedded in the slab further defines a plurality of apertures configured to allow the air-setting resistant material to pass therethrough so as to facilitate securement of the reinforcement means within the slab.

38. (New) A panel according to Claim 33 wherein the reinforcement means further comprises a plurality of metal sections disposed with respect to the slab so as to form a frame arrangement therefor.

39. (New) A panel according to Claim 38 further comprising a plurality of corrugated rods extending between the metal sections of the frame arrangement for facilitating securement of the reinforcement means within the slab.

40. (New) A panel according to Claim 33 further comprising a resilient, resistant filiform member operably engaged with the reinforcement means and configured to secure the panel to the latticework support structure.

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✓ 41. (New) A panel according to Claim 33 wherein the outwardly accessible portion of the reinforcing means defines a spine configured to oppose and operably engage a corresponding spine defined by the latticework support structure when the panel is attached thereto.

✓ 42. (New) A panel according to Claim 41 further comprising a mechanical fixation means for securing the spines together.

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✓ 43. (New) A panel according to Claim 41 wherein the outwardly accessible portion further comprises a channel having a U-shaped cross-section with an open end, the channel extending from the spine of the outwardly accessible portion such that the open end is downwardly oriented and configured to operably engage a flange extending upwardly from the spine of the latticework support structure.

✓ 44. (New) A panel according to Claim 41 wherein the outwardly accessible portion further comprises a flange extending downwardly from the spine of the outwardly accessible portion, the flange being configured to operably engage a channel having a U-shaped cross-section with an open end, the channel extending from the spine of the latticework support structure such that the open end is upwardly oriented.

45. (New) A panel according to Claim 33 wherein the reinforcement means extends outwardly from the slab so as to form a side thereof.

46. (New) A method of manufacturing a building façade panel adapted to operably engage and close a latticework support structure, said method comprising:
positioning a reinforcement means in a mold arrangement having a bottom wall and side members extending therefrom; and

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introducing an air-setting resistant material into the mold arrangement so as to form a slab such that, upon solidification of the air-setting resistant material, the reinforcement means is secured within the slab to provide reinforcement therefor and to allow the slab to be attached to the latticework support structure such that the panel covers the latticework support structure.

47. (New) A method according to Claim 46 further comprising inserting a mold into the mold arrangement prior to the air-setting resistant material being introduced therein, the mold defining a pattern to be imparted to the slab.

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48. (New) A method according to Claim 47 further comprising introducing an outer layer of a fine mortar paste into the mold arrangement, the outer layer forming a visible surface of the slab and defining a pattern, prior to positioning the reinforcement means in the mold arrangement.

49. (New) A building facade panel system adapted to operably engage and close a latticework support structure having uprights connected by horizontal crossmembers, said system comprising:

a plurality of panels, each panel defining an edge and comprising:

a slab comprised of an air-setting resistant material and having opposed faces;

a surface layer operably engaged with the slab and substantially covering one face of the slab, the surface layer defining a pattern having a plurality of relief elements, the pattern including a depression disposed about the edge; and reinforcement means having a portion embedded within the slab and extending outwardly thereof so as to form an outwardly accessible portion, the outwardly accessible portion being configured to extend away from the one face and outwardly of the other face of the slab, the reinforcement means being adapted to reinforce the slab and to allow the slab to be

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attached to the latticework support structure such that the panel covers the latticework support structure; and
an insert configured as a relief element capable of being inserted into a receptacle defined by corresponding depressions of juxtaposed panels, the insert thereby providing continuation of the pattern on the surface layer between panels and covering a joint between the juxtaposed panels defined by the respective edges thereof.

50. (New) A wall system, comprising:

a latticework support structure having uprights connected by horizontal crossmembers and defining opposing faces and edges;

a panel operably engaged with one face of the latticework support structure and comprising:

a slab comprised of an air-sealing resistant material and having opposed faces, one face comprising a visible face defining a pattern; and

reinforcement means having a portion embedded within the slab and extending outwardly thereof so as to form an outwardly accessible portion, the outwardly accessible portion being configured to extend away from about the one face and outwardly of the other face of the slab, the reinforcement means being adapted to reinforce the slab and to allow the slab to be attached to the latticework support structure such that the panel covers the latticework support structure; and

an internal closure slab operably engaged with the other face of the latticework support structure so as to enclose the latticework support structure.

51. (New) A system according to Claim 50 further comprising an internal slab operably engaged with the latticework support structure between the uprights and crossmembers.

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